Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Air Quality

BWP AQ 08-A

Application for Approval of Emission Control Plan (ECP): Oxides of Nitrogen (NO)

Transmittal Number

Facility ID# (if known)

A. Facility Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

1. Facility :

Facility Name

Street Address

City | State | Zip Code

2. Mailing address, if different from above:

Facility Name

Street Address

City | State | Zip Code

Telephone | Fax Number

B. Applicability {See Regulation310 CMR 7.19(3)}

This form is to be used by the owner, leaser, operator or controller of a facility applicable to an emission or design standard contained in 310 CMR 7.19. This completed form and necessary documentation will serve as the Emission Control Plan (ECP) submittal required by 310 CMR 7.19(3). You are advised to obtain a copy of the regulations for details on standards and ECP Submittal Requirements.

C. Additional Items

In addition to completion of this form, the following items must also be included, when applicable, to satisfy the requirements of a complete application.

☐ Manufacturer's Specifications and Brochures for Process Equipment, Add-on Air Pollution Control Equipment, Fans/Blowers, etc.

☐ Schematic Process Diagram – Dimensional plan showing process equipment, hoods, duct work, dampers, fans, temperature/pressure sensing devices, other monitors, air pollution control equipment, and all vents, by-passes or discharges to the atmosphere.

☐ Supplemental Forms for Add-on Pollution Control Equipment, if applicable

☐ Calculations – Detailed calculation sheets showing the manner in which pertinent quantitative data, including emission calculations, were determined.

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D. Equipment Description

Complete for any piece of equipment at the facility which emits NOx (use additional pages if necessary)

		Unit 1	Unit 2	Unit 3
1.	Equipment/process line ID#			
2.	a. Is unit subject to a NOx RACT?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	b. If yes, which regulations (see section N)			
3.	Type of equipment: (boiler oven, turbine, diesel, etc.)			
4.	Manufacturer:			
5.	Model Number			
6.	a. Maximum energy input capacity: (MMBTU/HR)			
	b. For internal combustion engines only: energy conversion efficiency of unit (10^6 BTU/brake hp-hr)			
7.	Date of installation:			
8.	Modifications since installation:			
	a. type of modification:			
	b. date of modification:			
9.	DEP Air Quality Approvals (if any):			
	a. Approval Number			
	b. Date of Approval:			
	c. Modifications to Approval: (date and approval number)			

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E. Fuel Data

	Unit 1	Unit 2	Unit 3
1. Primary Fuel:			
a. type and grade:			
b. sulfur content (% by weight)			
c. gross heating value			
d. nitrogen content (% by weight)			
2. Secondary, standby or auxiliary fuel:			
a. type and grade:			
b. sulfur content (% by weight)			
c. gross heating value:			
d. nitrogen content (% by weight)			

3. Historical fuel usage:

Provide the following information on usage of primary and auxiliary fuel use in each of the last two years. (Indicate year and gallons per year, pounds per year, cubic feet per year, etc.):

a. last year: ( )			
(i) primary fuel			
(ii) secondary fuel			
b. year previous to last year ( )			
(i) primary fuel			
(ii) secondary fuel			

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F. Burner Data

Complete for each piece of equipment at the facility which emits NOx (use additional pages if necessary).

		Unit 1	Unit 2	Unit 3
1.	Burner Manufacturer			
2.	Model Number			
3.	Type of Burner			
4.	Date of Installation			
5.	Number of Burners in Each Combustion Unit			
6.	Maximum Fuel Firing Rate (all burners firing): (indicate gal/hr, lbs/hr, cubic feet/hr, etc.)			

G. NOx Emission Rates and Standards

1. Indicate NOx emission rate for each fuel combusted, in each unit, as the units currently operate (i.e., before modification to meet RACT standard):

NOx emission rate (indicate rate and units):	Unit 1	Unit 2	Unit 3
a. primary fuel			
b. secondary fuel			

2. Indicate NOx emission RACT standard for each fuel combusted in each unit. Emission standards are contained in the regulations (310 CMR 7.19). If applying for an alternative RACT or not subject to one of the categories of 7.19, enter the alternative/RACT. If the unit is not subject to any NOx RACT standard, enter the same value as indicated in item #1 above:

NOx emission rate (indicate rate and units):	Unit 1	Unit 2	Unit 3
a. primary fuel			
b. secondary fuel			

3. Is additional documentation included for any Large Boilers (≥ 100,000,000 BTU/hr) applying for an alternate RACT as allowed in 7.19(4)(c)?
☐ Yes ☐ Not applying for alternative large boiler RACT

G. NOx Emission Rates and Standards (cont.)

4. if a unit is subject to 7.19(12), miscellaneous RACT, or is applying for an alternative RACT, is additional material included in this application as required by 310 CMR 7.19(3)(d), including:
   a. a demonstration and description of the RACT emission standard(s) proposed for this facility?

   ☐ Yes ☐ Not applying for miscellaneous nor alternative RACT

   b. information necessary to support the demonstration, such as technological and economic considerations, etc.?
   ☐ Yes ☐ Not applying for miscellaneous nor alternative RACT

5. If a unit will utilize seasonal fuel switching {7.19(2)(f)} is documentation on the calculation of emission standard included?
   ☐ Yes ☐ Not utilizing season fuel switching

6. Will there be cofiring of fuels {7.19(15)}, i.e. more than one fuel burned simultaneously, in combination, or in any one day?
   ☐ Yes ☐ No

H. Potential Emissions (optional section)

Potential Emissions are used to determine applicability to air pollution control regulations and compliance fees. Unless otherwise restricted, potential emissions are calculated from the maximum operational capacity of the equipment as described in previous section D operated 8,760 hours per year. If you wish to limit potential emissions for the entire facility you must complete this section; this will be treated as part of the facility design and the limitation will be specifically stated in this Emission Control Plan Approval. This is <u>not required</u> as part of the Emission Control Plan.

1. Do you wish to limit potential emissions?

   ☐ Yes ☐ No If no, proceed to section I. If yes, complete sections 2 and 3.

2. In order to issue a permit limiting the facility's potential emissions, the Department must have a method to monitor compliance with the restriction. In other words, an enforceable permit condition must be available to the Department. The following questions require the facility to set a limit on the maximum amount of fuel combusted (per month and per year) and therefore, the amount of emissions possible. This will become the means to monitor and enforce the restriction. Alternative methods of restricting potential emissions will be evaluated on a case-by-case basis and the applicant should contact the Department before proposing such alternatives. Any such alternative method must be consistent with the U.S. EPA's June 13, 1989 guidance entitled "Guidance on Limiting Potential to Emit in New Source Permitting". (Copies of this guidance are available from DEP offices).

   Note: this should be completed for ALL NOx emitting processes at the facility, not only those subject to RACT

   a. Fuel restriction:

   Enter amount of fuel and units (gallons, cubic feet, etc.). This usage will become the facility's allowable usage. This amount can never been exceeded with prior Department approval.

H. Potential Emissions (cont.)

	Unit 1	Unit 2	Unit 3	Total
i. maximum per month:				
amount primary fuel				
amount secondary fuel				
ii. maximum per year:				
amount primary fuel				
amount secondary fuel				

b. Describe any other physical or operational limitations on the capacity of the equipment to emit a pollutant, including air pollution control equipment, restriction on hours of operation, or on the type or amount of material combusted, stored or processed that will be used to restrict emissions:

3. Emissions from proposed fuel restriction:

Calculate emissions that will result from the restrictions as described in items #1 and #2 above. Use emission standards as described in Section G for units subject to NOx. For units without an emission standard stated in Section G above (i.e. not subject to RACT), use best available data from your existing air permit, Deparment-accepted stack tests, or CEM data. If no data exists, use the factors* provided below.

NOx emissions (tons):	Unit 1	Unit 2	Unit 3	Total
a. maximum per month:				
primary fuel				
secondary fuel				
b. maximum per year:				
primary fuel				
secondary fuel				

H. Potential Emissions (cont.)

*Emissions Factors, NOx:

Boilers:
67 lbs of NOx for every 1000 gallons of oil burned in Boilers > 100 MMBtu/hr
55 lbs of NOx for every 1000 gallons of oil burned in Boilers 0.5 to 100 MMBtu/hr using Residual Fuels (#6, #5, #4)
20 lbs of NOx for every 1000 gallons of oil burned in Boilers 0.5 to 100 MMBtu/hr using Distillate fuels (#2, #1)
18 lbs of NOx for every 1000 gallons of oil burned in Boilers less than 0.5 MMBtu/hr using Distillate fuels (#2, #1)
550 lbs of NOx for every 1,000,000 cubic feet of gas burned in Boilers > 100 MMBtu/hr
140 lbs of NOx for every 1,000,000 cubic feet of gas burned in Boilers between 10 and 100 MMBtu/hr
100 lbs of NOx for every 1,000,000 cubic feet of gas burned in Boilers less than 10 MMBtu/hr

Diesel engines, turbines and other combustion equipment, NOx calculated from equipment manufacturers specifications. The Department reserves the right to require testing of fuel for nitrogen content and/or stack and CEM testing.

I. RACT Strategy

1. Provide details on how the facility plans to meet the limits in the regulations(new equipment, alternative fuels, add-on controls, combustion modifications, etc.)

2. Which, if any, of the units will be shut down as a result?

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I. RACT Strategy (cont.)

3. Will compliance be achieved through the averaging of units? ☐ Yes ☐ No

   If yes, the averaging must conform to the requirements and limitations of 7.19(14) and 7.00 appendix B(4). Describe in detail the methods for measuring such compliance, below and in Section K, record keeping:

4. Will the facility use and Air Pollution Control Device to reduce NOx emissions and comply with the standards? ☐ Yes ☐ No

   If yes, attach additional specifications and the appropriate Supplemental BWP form for air pollution control equipment. Indicate equipment and form used:

5. Will the facility be installing new equipment to comply with the standards? ☐ Yes ☐ No

   If yes, the appropriate plans application form, BWP AQ 01,02 or 03 must be completed for the new equipment.

J. Compliance Implementation

Provide a schedule for implementation of changes necessary to comply with the RACT standard. Include the following dates, at a minimum:

Purchase of air pollution control equipment
Delivery of air pollution control equipment
Installation of air pollution control equipment
Start-up of air pollution control equipment
Compliance testing of air pollution control equipment.

Purchase of new equipment
Delivery of new equipment
Installation of new equipment
Start-up of new equipment
Compliance testing of new process equipment

Identification of necessary modifications
Modification of equipment

Purchase of monitoring equipment
Delivery of monitoring equipment
Installation of monitoring equipment
Start-up of monitoring equipment
Testing of monitoring equipment

K. Record Keeping/Monitoring

Describe record keeping procedures and any process monitoring equipment (temperatures, flow meters) including CEMS that will be used by the facility to demonstrate continuous compliance.

Note:
Records kept to demonstrate compliance shall be kept on site for five years and shall be made available to representatives of the Department and the EPA upon request.

L. Testing

Testing may be required by the Department. Describe those design considerations incorporated into the equipment to allow for emission testing (stack test port locations, equipment enclosures, etc.)

M. Certification

This form must be signed by the owner or by a responsible company official working at the location of the source. Even if an agent has been designated to fill out this form, the owner or responsible officer must sign it.

Certification:

"I certify that I have examined the above and that to the best of my knowledge it is true and complete. (Signature subjects signer to the provisions of the General Statutes regarding false and misleading statements)."

Signature

Title

Representing

Date

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N. Regulation Description

All ratings are based on energy input to the units and the HHV (High Heating Value) of the fuel(s) used.

Regulation	Description
7.19(4)	Large Boilers (≥ 100,000,000 BTU/hr)
7.19(5)	Medium Boilers (≥ 50,000,000 BTU/hr but < 100,000,000 BTU/hr)
7.19(7)	Stationary combustion turbines
7.19(8)	Stationary Reciprocating Internal Combustion Engines (≥ 3,000,000 BTU/hr)
7.19(9)	Incinerators
7.19(10)	(Reserved)
7.19(11)	Glass Melting Furnaces (≥ 14 tons per day of glass produced)
7.19(12)	Miscellaneous (potential emissions ≥ 25 tons per year NOx)

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Air Quality

BWP AQ 08-B

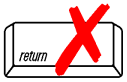
Application for Approval of Emission Control Plan (ECP); Volatile Organic Compounds (VOC)

Transmittal Number

Facility ID# (if known)

A. Facility Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility:

Name

Street Address

City | State | Zip Code

2. Mailing address, if different from above:

Name

Street Address

City | State | Zip Code

Telephone Number | Fax Number

B. Applicability {See Regulations 310 CMR 7.18(20)}

This form is to be used by the owner, leaser, operator or controller of a facility applicable to an emission or design standard contained in 310 CMR 7.18. This completed form and necessary documentation will serve as the Emission Control Plan (ECP) submittal required by 310 CMR 7.18(20). You are advised to obtain a copy of the regulations for details on standards and ECP submittal requirements.

C. Additional Items

☐ Manufacturer's Specifications and Brochures for Process Equipment, Add-on Air Pollution Control Equipment, Fans/Blowers, etc.

☐ Supplemental Forms Volatile Organic Compound (VOC) usage (BWP AQ SFP-1)

☐ Calculations – Detailed calculation sheets showing the manner in which pertinent quantitative data, including emission calculations, were determined.

☐ Supplemental Forms for Add-on Air Pollution Control Equipment, if applicable

☐ Schematic Process Diagram – Dimensional plan showing process equipment, hoods, duct work, dampers, fans, temperature / pressure sensing devices, other monitors, air pollution control equipment, and all vents, by-passes or discharges to the atmosphere.

D. What Constitutes a VOC Emission

A Volatile Organic Compoud is any compound of carbon which participates in atmospheric photochemical reactions. For the purposes of determining compliance, VOC is measured by the applicable reference test methods specified under 40 CFR 60. This definition includes all organic compounds except the following:

- carbon monoxide
- carbon dioxide
- carbonic acid
- metallic carbides or carbonates
- ammonium carbonate
- methane
- ethane
- methyl chloroform (1,1,1- Trichloroethane)
- freon 113 (Trichlorotrifluoroethane)
- HCFC-123 (2,2-dichloro-1,1,1-trichloroethane)
- HCFC-134a (1,1,2,2-tetrafluoroethane)
- HCFC-141b (1,1-dichloro-1-fluoroethane)
- HCFC-142b (1-chloro-1,1-difluoroethane)
- HCFC-124 (2-chloro-1,1,1,2-tetrafluoroethane)
- HFC-125 (pentafluoroethane)
- HFC-134 (1,1,2,2-tetrafluoroethane)
- HFC-143a (1,1,1-trifluoroethane)
- HFC-152a (1,1-difluoroethane)
- Cyclic, branched, or linear, completely fluorinated alkanes
- Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations
- Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations
- Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine

Note: The following seven compounds are considered equivalent to VOC for purposes of this form and 310 CMR 7.18, inclusive. They must be included in any VOC emission calculation contained in this plan although they are not considered photochemically reactive:

- methylene chloride (dichloromethane);
- CFC-11 (trichlorotrifluoromethane);
- CFC-12 (dichlorodifluoromethane);
- CFC-22 (chlorodifluoromethane);
- FC-23 (trifluoromethane);
- CFC-114 (dichlorotetrafluoroethane);
- CFC-115 (chloropentafluoroethane)

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Application for Approval of Emission Control Plan (ECP); Volatile Organic Compounds (VOC)

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E. Equipment Description

Complete for each piece of equipment at the facility with the potential to emit VOC (use additional pages if necessary):

		Unit 1	Unit 2	Unit 2
1.	Equipment/Process Line I.D.#			
2.	Was this piece of equipment/line subject to VOC RACT standard listed in section M on or before January 1, 1992?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
3.	Has this piece of equipment/line become subject to VOC RACT standard listed in Section M after January 1, 1992?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
4.	Type of Equipment/Line (Coater, Paint Spray Booth, Degreaser, etc.)			
5.	Manufacturer			
6.	Model Number			
7.	Date of Installation			
8.	Modifications Since Installation			
	a. Type of Modification			
	b. Date of Modification			
9.	DEP Air Quality Approvals (if any)			
	a. Approval Number			
	b. Date of Approval			
	c. Modifications to Approval (Date and Approval Number)			
10.	Applicable section of 310 CMR 7.18 (see list in section M)			
11.	Maximum Capacity of Equipment			
	a. Maximum Production Rate (lbs/hr, feet/min, etc.)			
	b. Maximum Usage Rate of VOC containing compound (gal/hr, lbs/hr)			

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Application for Approval of Emission Control Plan (ECP); Volatile Organic Compounds (VOC)

Transmittal Number

Facility ID# (if known)

E. Equipment Description (cont.)

	Unit 1	Unit 2	Unit 3
12. Process Temperature (range)			
13. Process Pressure (range)			
14. Description/Chemical Identity of:			
a. Raw Materials Used in the Process			
b. Finished materials.			

F. Emissions Before Implementation of RACT

Complete this section only for each piece of equipment currently at the facility identified as subject to the RACT requirement after January 1, 1992, (Section E, item #3)

a. List each raw material containing VOC currently used in each piece of equipment (attach additional pages if necessary). Include coatings, thinners, cleaners, process chemicals, etc.:

Equipment/Process line I.D. #	Identity of raw material containing VOC	Percent VOC by weight (lbs. VOC/lb material)	Actual amount of raw material used per year (see item b for year of record)

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F. Emissions Before Implementation of RACT (cont.)

b. Calculate ACTUAL EMISSIONS on a daily and annual basis from each piece of equipment subject to VOC RACT after January 1, 1992, and listed in part a above. ACTUAL EMISSIONS, for this application, are the greatest amount of VOC emitted in any year since the 1990 calendar year, inclusive. This reported amount must be supported by records available for Department inspection. Refer to the calculation method and attach all calculations to this application.

	Unit 1	Unit 2	Unit 3
VOC per day (lbs.)			
VOC per year (tons)			

c. Calculate POTENTIAL EMISSIONS (the maximum amount that could be emitted) for the same equipment listed in parts a and b, based on operation at full capacity. Refer to the calculation method and attach all calculations to this application.

In calculating POTENTIAL EMISSIONS use 100 percent of equipment rated capacity (as identified in section E, item 11b) and operation of equipment for 8,760 hours per year unless:

1) the eqipment has a permit that restricts production rate, operating hours or other items that will have an effect of limiting potential to emit; or
2) the facility is currently subject to an emission standard or control requirement set forth in a state or federal regulation.

	Unit 1	Unit 2	Unit 3
VOC per day (lbs.)			
VOC per year (tons)			

[Amount of VOC containing compounds used (gallons)] X [Density of compound (lbs/gal)] X [Percent VOC in compound (by weight)/100] = VOC emitted (lbs)

F. Emissions Before Implementation of RACT (cont.)

Example:

A facility uses 100 gallons of paint that is 75 percent by weight VOC and weighs 8 pounds per gallon. A ventilation system captures 90 percent of the emissions and an afterburner controls 95 percent of the captured VOC that is vented to it.

Amount released: 100 gals x 8.0 lb/gal x 75 percent VOC/100 = 600 lbs emitted from the process.
Amount controlled: 600 lbs x 90 percent capture/100 x 95 percent control/100 = 513 lbs.
Amount emitted to air: 600 lbs – 513 lbs = 87 lbs

G. RACT Strategy

1. Provide details on how the facility plans to meet the limits in the regulations (new processes, reformulated coatings, alternative materials, add-on air pollution control equipment, etc.).

2. Which, if any, of the VOC containing materials will be reformulated to comply with the standard?

   For each coating or coating formulation complete and attach supplemental form BWP AQ SFP-1.

3. Will compliance be achieved through a daily weighted average of coatings used on individual coating machines? ☐ Yes ☐ No

G. RACT Strategy (cont.)

If yes, the averaging must conform to the requirements and limitations of 7.18(2)(b). Describe in detail the methods for measuring such compliance, below and in section K, recordkeeping:

4. Will the facility use an Air Pollution Control Device to reduce VOC emissions and comply with the standards? ☐ Yes ☐ No

   If yes, complete and attach the appropriate Supplemental BWP form for air pollution control equipment. Indicate equipment and form used:

5. Will the facility be installing new equipment or modifying existing equipment to comply with the standards? ☐ Yes ☐ No

   If yes, attach additional information for the new equipment including manufacturers brochures and equipment drawings/plans. Also complete and attach form BWP AQ CPA-3.

   Note: If the installation of new equipment will result in an increase in the facility's production capacity then the facility may be required to obtain an approval under the permit approval regulations (310 CMR 7.02) instead of RACT. Approval under 7.02 would require submittal of form BWP AQ CPA-3 and related forms. In such cases, contact the regional DEP Air Quality Control office before applying for approvals or Emission Control Plans.

H. Potential Emissions After Implementation of RACT (optional section)

Potential Emissions are used to detirmine applicability to air pollution control regulations and compliance fees. Unless otherwise restricted, potential emissions are calculated from the maximum operational capacity of the equipment as described in section E operated 8,760 hours per year. If you wish to limit potential emissions for the entire facility you must complete this section; this will be treated as part of the facility design and the limitation will be specifically stated in this Plan Approval. This is not required as part of the Emission Control Plan.

1. Do you wish to limit Potential Emissions? ☐ Yes ☐ No

   If no, proceed to section I. If yes, complete sections 2 and 3.

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H. Potential Emissions After Implementation of RACT (optional section)

2. In order to issue a permit limiting the facility's potential emissions, the Department must have a method to monitor compliance with the restriction. In other words, an enforceable permit condition must be available to the Department. The following questions require the facility to set a limit on the maximum amount of raw materials used (per month and per year) and therefore, the maximum amount of emissions possible. This will become the means to monitor and enforce the restriction. Alternative methods of restricting potential emissions will be evaluated on a case-by-case basis and the applicant should contact the Department before proposing such alternatives. Any such alternative method must be consistent with the U.S. EPA's June 13, 1989 guidance entitled, "Guidance on Limiting Potential to Emit in New Sources Permitting". (Copies of this guidance are available from DEP offices).

   Note: this should be completed for ALL VOC emitting processes at the facility, not only those subject to RACT.

VOC Containing Raw Material to be Used*	Amount Used in Equipment 1		Amount Used in Equipment 2		Amount Used in Equipment 3		Total Used	
	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year

*Form BWP AQ SFP-1 must be completed for each material

Use additional paper if necessary

3. Describe any other physical or operational limitation on the capacity of the equipment to emit a pollutant, including air pollution control equipment, restriction on hours of operation, or on the type or amount of material combusted, stored or processed that will be used to restrict emissions:

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I. Compliance Implementation

Provide a schedule for implementation of changes indicated in Section G necessary to comply with the RACT standard. Include the following dates, at a minumum, where applicable:

Purchase of air pollution control equipment.
Delivery of air pollution control equipment.
Installation of air pollution control equipment.
Start-up of air pollution control equipment.
Compliance testing of air pollution control equipment.

Purchase of new process equipment.
Delivery of new process equipment.
Installation of new process equipment.
Start-up of new process equipment.
Compliance testing of new process equipment (if required by DEP).

Identification of reformulated coatings.
Compliance testing of reformulated coatings.
Initial production testing of reformulated coatings.
Production line testing of reformulated coatings.
Final acceptance and use of reformulated coatings.

J. Miscellaneous

1. If the facility is subject to 7.18(17), Non-category RACT, the follwing additional material must be included in this application as required by 310 CMR 7.18(20)(d):

   a. A demonstration and description of the RACT emission limit(s) proposed for this facility

      ☐ Included ☐ Project not applicable to 7.18(17)

   b. Information necessary to support the limit, such as technological and economic considerations, industry surveys, customer considerations, etc.

      ☐ Included ☐ Project not applicable to 7.18(17)

   c. Describe any other information included:

2. Is the facility applying for an extension of the compliance deadlines? ☐ Yes ☐ No

   If yes, is additional information, as required by the specific subpart regulation, included?

   ☐ Included. ☐ Not applying for an extension

   Proposed Date of Final Compliance

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K. Recordkeeping/Monitoring

Describe recordkeeping procedures and any process monitoring equipment (temperatures, flow meters) that will be used by the facility to demonstrate continuous compliance:

Records kept to demonstrate compliance shall be kept on-site for three years and shall be made available to representatives of the Department and the EPA upon request. Such records shall include, but are not limited to:

1. identity, quantity, formulation and density of raw materials used;
2. identity, quantity, formulation and density of any diluent(s) and clean-up solvent(s) used;
3. solids content of any raw materials used;
4. actual operational and emissions characteristics of the equipment line and any appurtenant emissions caputure and control equipment;
5. quantity of product processed;
6. any other requirements specified by the Department in any approval(s) issued under this ECP or any order(s) issued to the person

L. Testing

Testing may be required by the Department. Describe those design considerations incorporated into the equipment to allow for emission testing (stack test port locations, equipment enclosures, etc.).

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M. RACT Categories

Category	Applicability	Date by which the Facility has to be in compliance
7.18(3) Metal Furniture Surface Coating	Actual Emissions > 15 lbs/day	1/1/80
7.18(4) Metal Can Surface Coating	Actual Emissions > 15 lbs/day	1/1/80
7.18(5) Large Appliance Surface Coating	Actual Emissions > 15 lbs/day	1/1/80
7.18(6) Magnet Wire Insulation Surface Coating.	Actual Emissions > 15 lbs/day	1/1/80
7.18(7) Automobile Surface Coating	Actual Emissions > 15 lbs/day	1/31/82*
7.18(8) Solvent Metal Degreasing	All Units	12/31/80
7.18(10)	Actual Emissions > 15 lbs/day	7/1/80
7.18(11) Surface Coating of Miscellaneous Metal Parts and Products	Actual Emissions ≥ 10 TPY	12/31/82
7.18(12) Graphic Arts	Potential Emissions > 100 TPY	12/31/82
7.18(14) Paper Surface Coating	Actual Emissions > 15 lbs/day	12/31/82
7.18(15) Fabric Surface Coating	Actual Emissions > 15 lbs/day	12/31/82
7.18(16) Vinyl Surface Coating	Actual Emissions > 15 lbs/day	12/31/82
7.18(17) Reasonable Available Control Technology	Potential Emissions ≥ 100 TPY	12/31/82
(Non-category specific)	Potential Emissions ≥ 50 but < 100 TPY w/ actual emissions > 50 TPY	1/1/94
	Potential Emissions ≥ 50 but < 100 TPY w/ actual emissions ≤ 50 TPY	5/31/95
7.18(18) Poly styrene Resin Manufacture	Actual Emissions > 15 lbs/day	12/31/86
7.18(19) Synthetic Organic Chemical Manufacture	All Facilities	Any Facility
7.18(21) Surface Coating of Plastic Parts	Potential Emissions ≥ 50 TPY	1/1/94
7.18(22) Leather Surface Coating	Potential Emissions ≥ 50 TPY	1/1/94
7.18(23) Wood Products Surface Coating	Potential Emissions ≥ 50 TPY	1/1/94

M. RACT Categories (cont.)

7.18(24) Flat Wood Paneling Surface Coating	Actual Emissions > 15 lbs/day	1/1/94
7.18(25) Lithographic Printing	Potential Emissions ≥ 50 TPY	1/1/94
7.18(26) Textile Finishing	Potential Emissions ≥ 50 TPY	1/1/94
7.18(27) Coating Mixing Tanks	Actual Emissions > 15 lbs/day	1/1/94
7.18(28) Automotive Refinishing	All Facilities	8/1/95
7.18(29) Bakeries	Potential Emissions ≥ 50 TPY	8/31/95

N. Certification

This form must be signed by the owner or by a responsible company official working at the location of the source. Even if an agent has been designated to fill out this form, the owner or responsible officer must sign it.

"I certify that I have examined the above and that to the best of my knowledge it is true and complete." (Signature subjects signer to the provisions of the General Statutes regarding false and misleading statements.)

Print Name

Date

Authorized Signature

Position/Title

Representing